

## SILVER HALIDE TABULAR GRAIN EMULSION

### CLAIMS

- 5 1. A silver halide tabular grain emulsion, wherein said silver halide emulsion comprises tabular grains having an average thickness lower than  $0.15\text{ }\mu\text{m}$ , an average diameter of at least  $1.20\text{ }\mu\text{m}$  and an average aspect ratio of at least 8:1, and showing a coefficient of diameter variation COVd within the range of from 31% to 44% and a coefficient of thickness variation COVt lower than 25%.
- 10 2. The silver halide tabular grain emulsion according to claim 1, wherein said tabular grains have an average thickness within the range of from  $0.05$  to  $0.15\text{ }\mu\text{m}$ .
3. The silver halide tabular grain emulsion according to claim 1, wherein said  
15 tabular grains have an average diameter of at least  $1.40\text{ }\mu\text{m}$ .
4. The silver halide tabular grain emulsion according to claim 1, wherein said tabular grains have an average aspect ratio of from 8:1 to 50:1.
- 20 5. The silver halide tabular grain emulsion according to claim 1, wherein said tabular grains have a coefficient of diameter variation COVd within the range of from 34 to 41%.
- 25 6. A silver halide radiographic element comprising a support and at least one silver halide emulsion layer coated on at least one side thereof, wherein said silver halide emulsion layer comprises a silver halide emulsion comprising tabular grains having an average thickness lower than  $0.15\text{ }\mu\text{m}$ , an average diameter of at least  $1.20\text{ }\mu\text{m}$  and an average aspect ratio of at least 8:1, and showing a coefficient of diameter variation COVd within the range of from 31% to 44% and a coefficient of  
30 thickness variation COVt lower than 25%.
7. The radiographic element according to claim 6, wherein said tabular grains have an average thickness within the range of from  $0.05\text{ }\mu\text{m}$  to  $0.15\text{ }\mu\text{m}$ .

8. The radiographic element according to claim 6, wherein said tabular grains have an average diameter of at least 1.40  $\mu\text{m}$ .
9. The radiographic element according to claim 6, wherein said tabular grains  
5 have an average aspect ratio of from 8:1 to 50:1.
10. The radiographic element according to claim 6, wherein said tabular grains have a coefficient of diameter variation COVd within the range of from 34 to 41%.